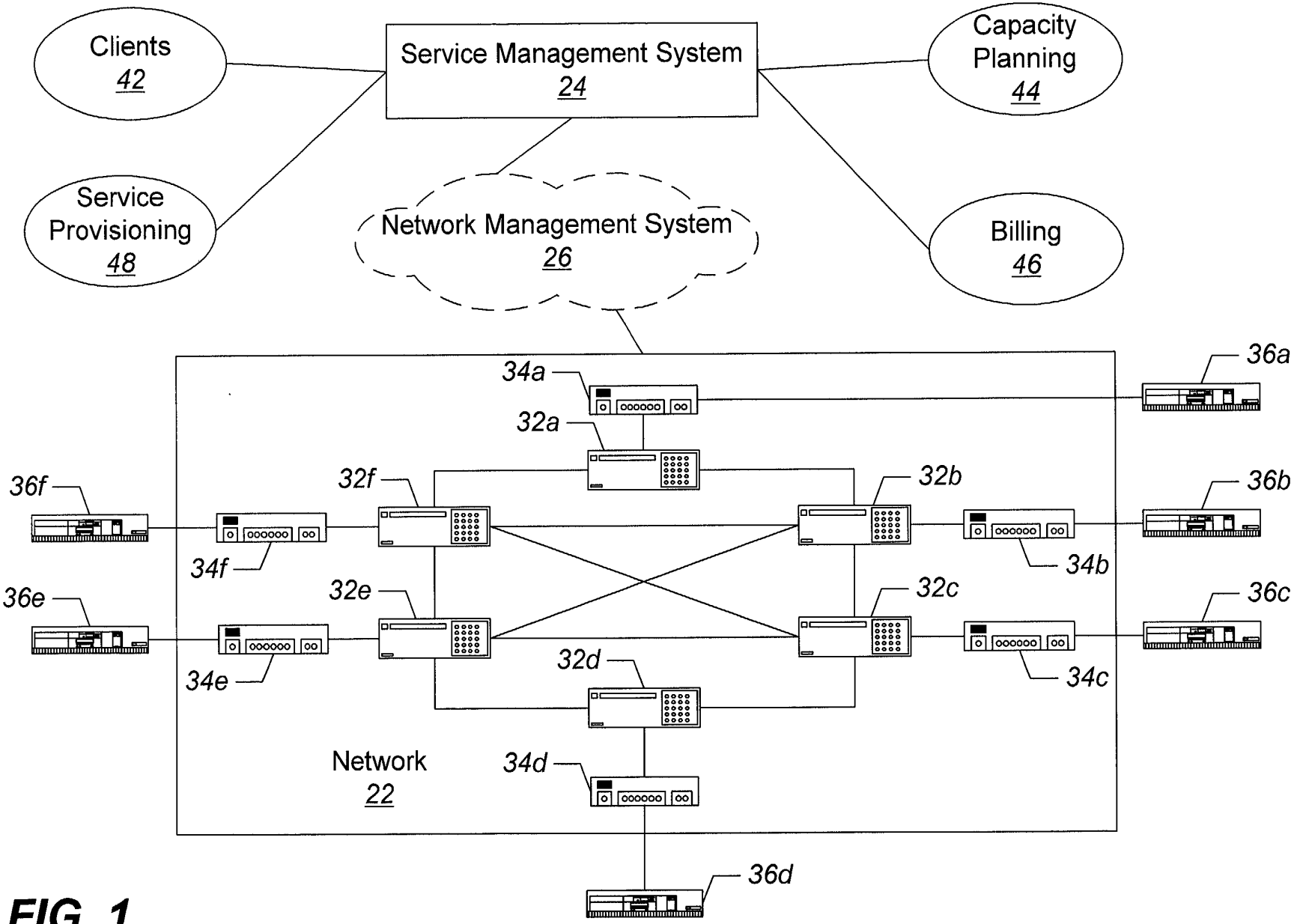
Clients
42
Service Management System
24
Capacity
Planning
44
Service
Provisioning
48
Network Management System
26
Billing
46
34a
36a
32a
36f
32f
32b
36b
34f
34b
36e
32e
32c
36c
34e
34c
32d
Network
22
34d
36d

FIG. 1

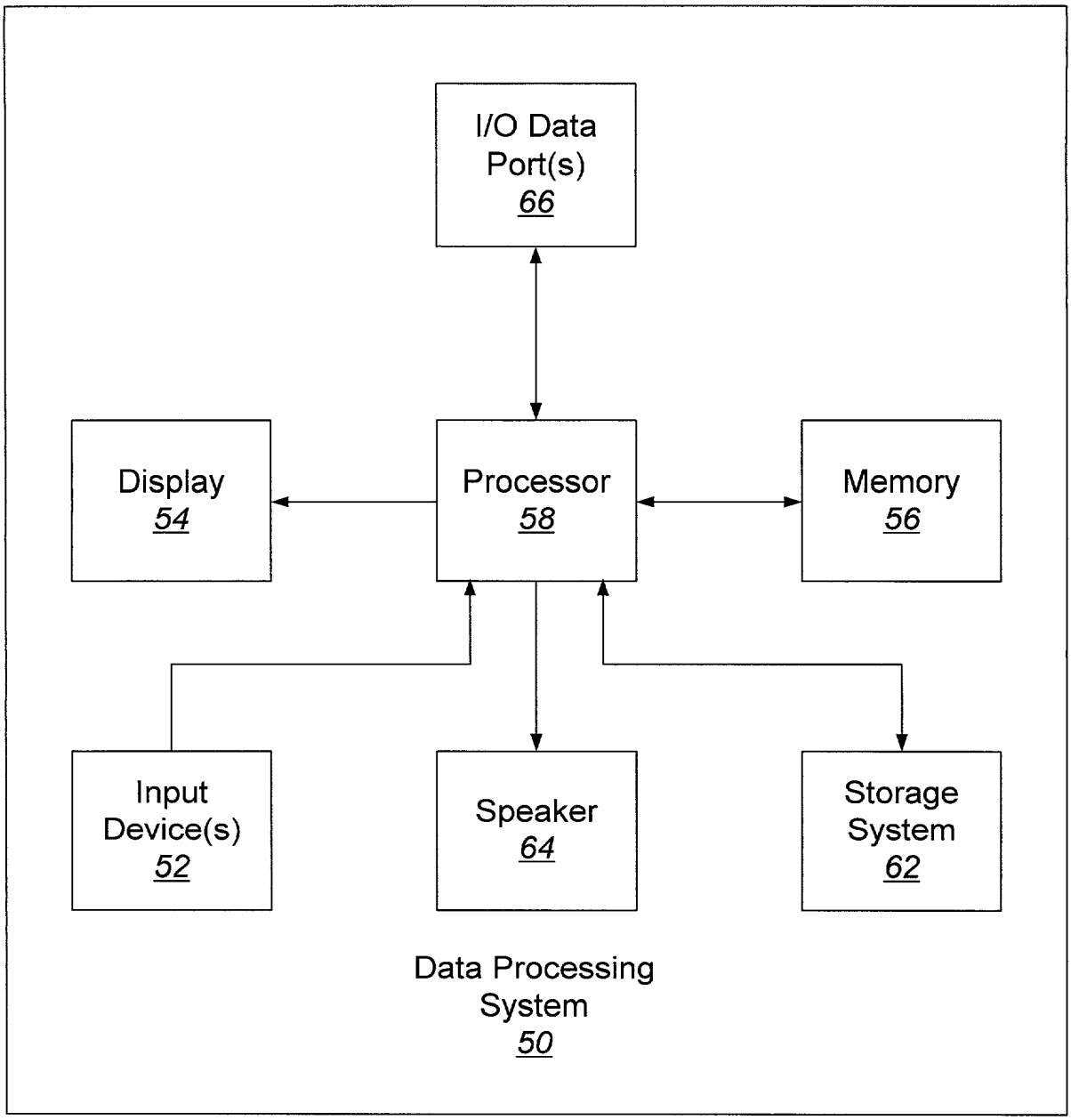
I/O Data Port(s) 66
Display 54
Processor 58
Memory 56
Input Device(s) 52
Speaker 64
Storage System 62
Data Processing System 50

FIG. 2

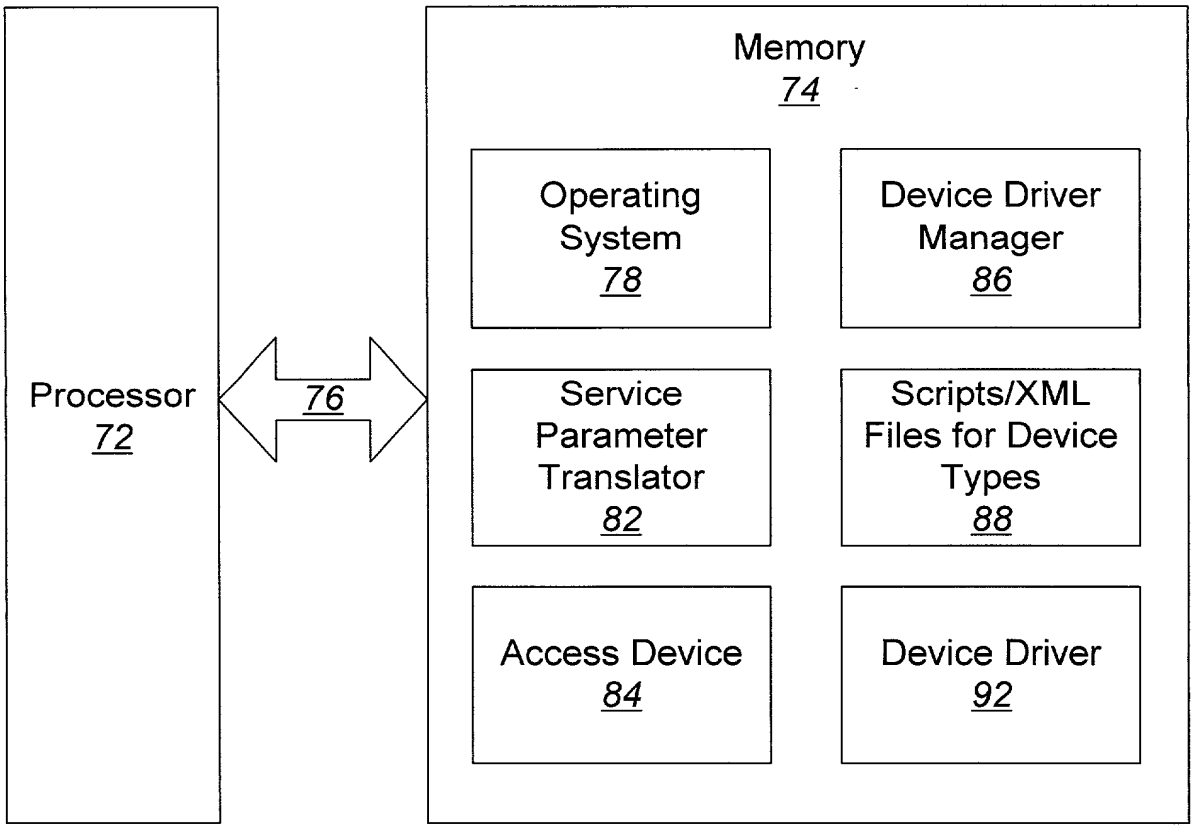
Memory
74
Operating System
78
Device Driver Manager
86
Processor
72
76
Service Parameter Translator
82
Scripts/XML Files for Device Types
88
Access Device
84
Device Driver
92

FIG. 3

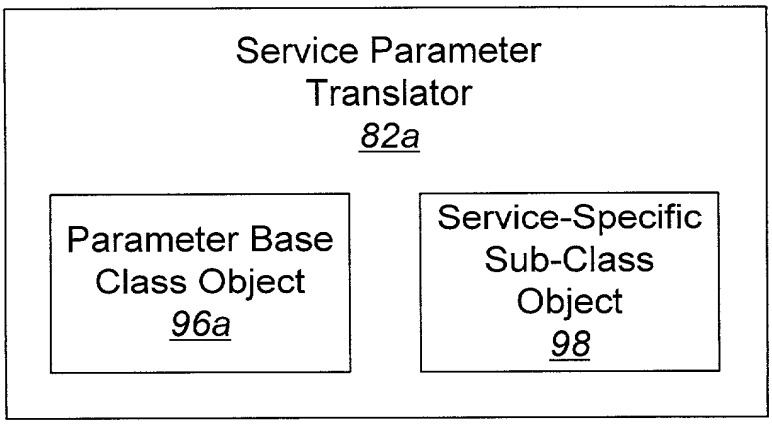
Service Parameter Translator
82a
Parameter Base Class Object
96a
Service-Specific Sub-Class Object
98

FIG. 4

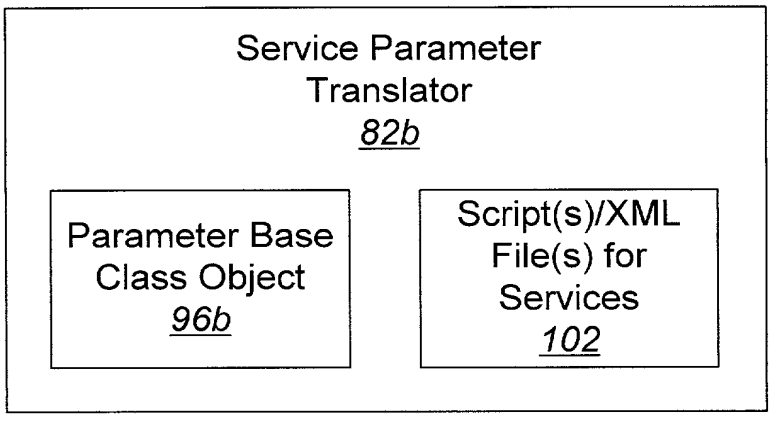
Service Parameter Translator
82b
Parameter Base Class Object
96b
Script(s)/XML File(s) for Services
102

FIG. 5

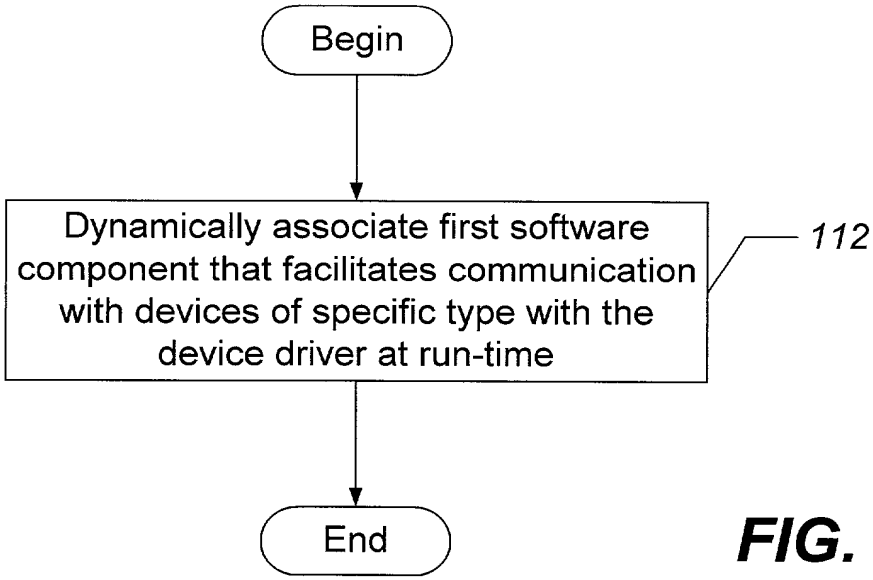
Begin
Dynamically associate first software component that facilitates communication with devices of specific type with the device driver at run-time
112
End

FIG. 6

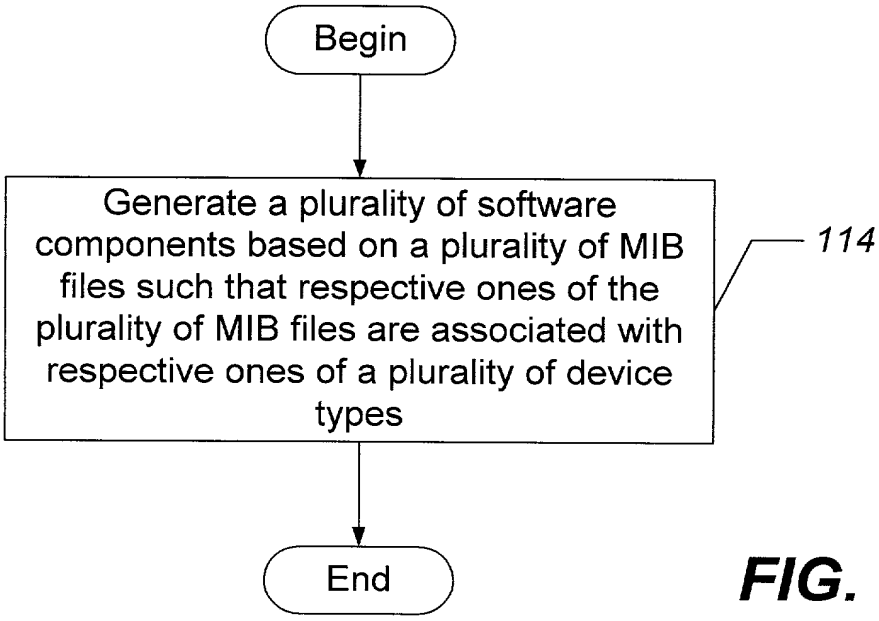
Begin
Generate a plurality of software components based on a plurality of MIB files such that respective ones of the plurality of MIB files are associated with respective ones of a plurality of device types
114
End

FIG. 7

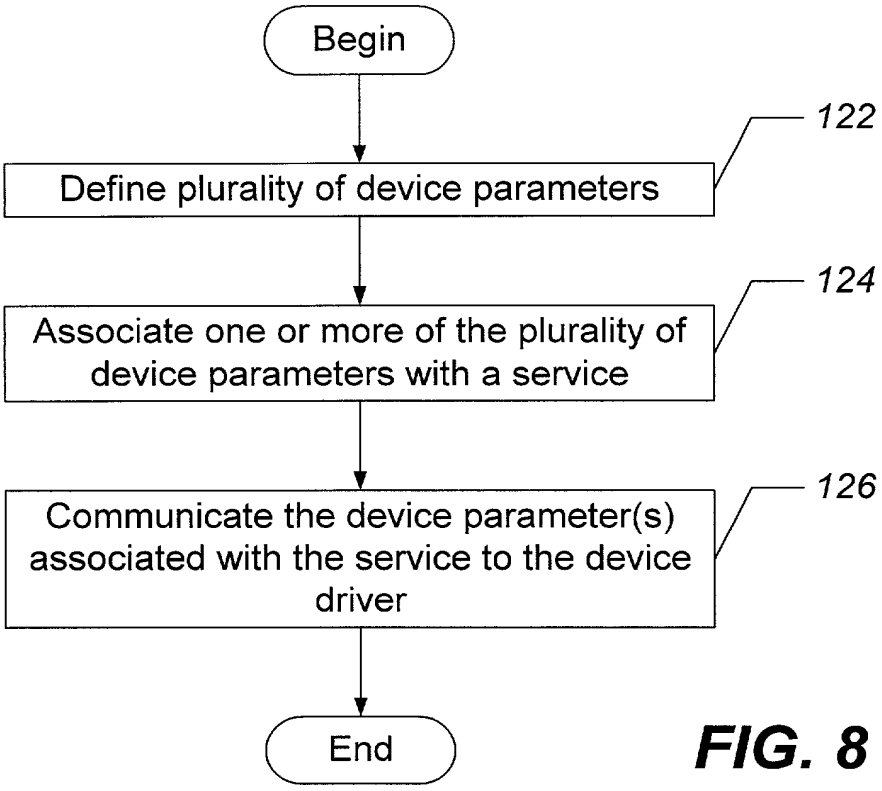
Begin
122
Define plurality of device parameters
124
Associate one or more of the plurality of device parameters with a service
126
Communicate the device parameter(s) associated with the service to the device driver
End

FIG. 8

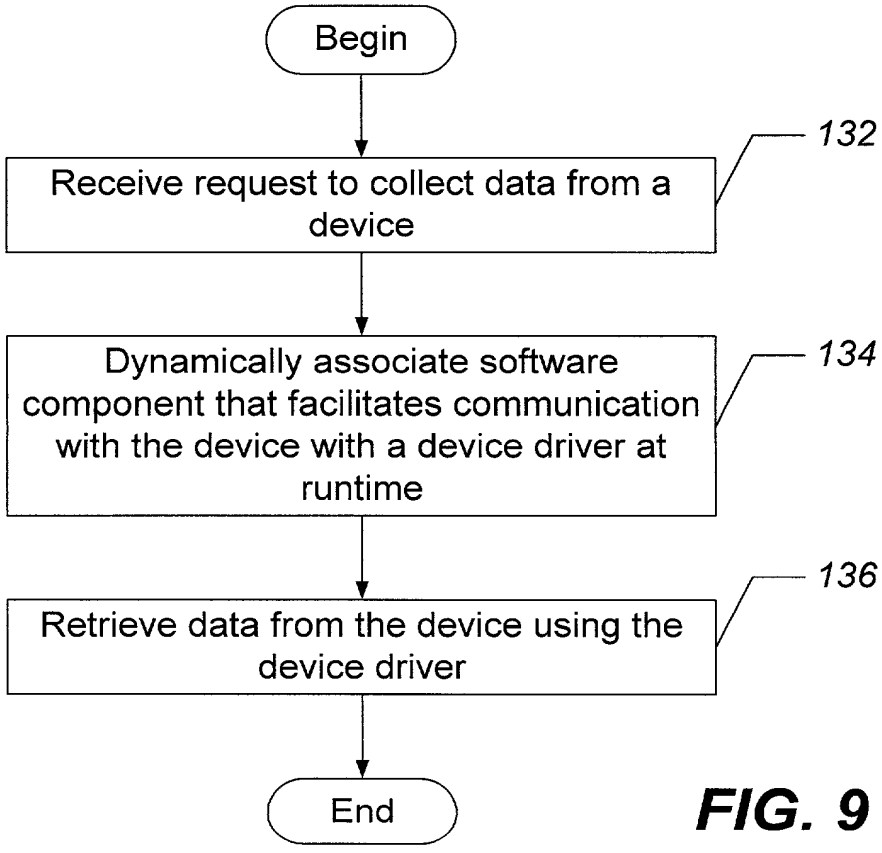
Begin
132
Receive request to collect data from a device
134
Dynamically associate software component that facilitates communication with the device with a device driver at runtime
136
Retrieve data from the device using the device driver
End

FIG. 9

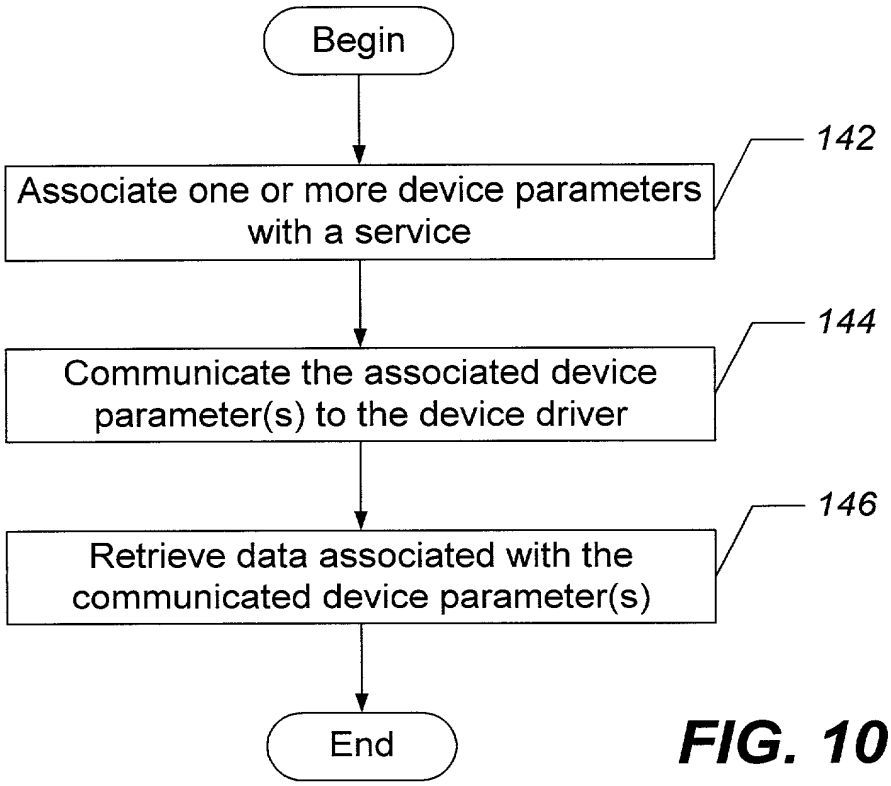
Begin
Associate one or more device parameters with a service
142
Communicate the associated device parameter(s) to the device driver
144
Retrieve data associated with the communicated device parameter(s)
146
End

FIG. 10